

Title (en)
SOLAR THERMAL POWER GENERATION SYSTEM AND METHOD FOR CONTROLLING SAME

Title (de)
SYSTEM ZUR ERZEUGUNG VON SOLARTHERMISCHER ENERGIE UND VERFAHREN ZUR STEUERUNG DAVON

Title (fr)
SYSTÈME DE PRODUCTION D'ÉNERGIE SOLAIRE THERMIQUE ET SON PROCÉDÉ DE RÉGULATION

Publication
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Application
EP 16859278 A 20161024

Priority
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• JP 2016004668 W 20161024

Abstract (en)
[origin: EP3369926A1] There are provided a solar thermal power generation system and a method of controlling a solar thermal power generation system that can improve the durability of the low-pressure turbine by suppressing the temperature rise of the exhaust gas of the low-pressure turbine and at the same time, realize power generation with higher efficiency. In solar thermal power generation system 100, molten salt is supplied to superheater 32 and reheater 34 and electric power is generated by means of high-pressure turbine 36 and low-pressure turbine 38. In a low load operation with a load ratio not higher than a predetermined load ratio relative to the rated load of the solar thermal power generation system, the temperature of the reheated steam to be supplied to the low-pressure turbine 38 is detected to control the quantity Mr of the molten salt to be supplied to the reheater 34 and make the temperature of the reheated steam not higher than 450°C.

IPC 8 full level
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